

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

Claim 1 (Canceled)

2. (Currently amended) A medical device comprising ~~a coating, wherein the coating comprises~~:

(a) a stent;

(a) (b) a first layer including a drug and a polymer supported by a surface of the stent,

wherein the drug is light-sensitive, UV-sensitive, or both light-sensitive and UV-sensitive;

(b) (c) a second layer including a polymer disposed over the first layer; and

(e) (d) a light- and/or UV-protective compound included in the second layer, wherein the mass ratio between the light- and/or UV-protective compound and the polymer in the second layer is between about 3:1 and about 1:3, and wherein the light- and/or UV-protective compound comprises carbon black or titanium-nitride-oxide.

Claim 3 (Canceled)

4. (Currently amended) A medical device comprising a coating, wherein the coating comprises:

(a) a stent;

~~(a) (b) a first layer including a drug and a polymer supported by a surface of the stent, wherein the drug is light-sensitive, UV-sensitive, or both light-sensitive and UV-sensitive;~~

~~(b) (c) a second layer including a polymer disposed over the first layer; and~~

~~(e) (d) a light-and/or UV-protective compound included in the second layer, wherein the mass ratio between the light-and/or UV-protective compound and the polymer in the second layer is between about 3:1 and about 1:3, and wherein the light-and/or UV-protective compound comprises carbon black or titanium-nitride-oxide, wherein the drug is a light-sensitive drug or a UV-radiation-sensitive drug, wherein the light-sensitive drug comprises actinomycin D, paclitaxel, or vincristine, or combinations thereof.~~

Claims 5 and 6 (Canceled)

7. (Currently amended) A medical device comprising a coating, wherein the coating comprises:

(a) a stent;

~~(a) (b) a first layer including a drug and a polymer supported by a surface of the stent, wherein the drug is light-sensitive, UV-sensitive, or both light-sensitive and UV-sensitive;~~

~~(b) (c) a second layer including a polymer disposed over the first layer; and~~

~~(e) (d) a light- and/or UV-protective compound included in the first layer and the second layer, wherein the mass ratio between the light- and/or UV-protective compound and the polymer in the second layer is between about 3:1 and about 1:3, and wherein the light- and/or UV-protective compound comprises carbon black or titanium-nitride-oxide.~~

Claims 8 and 9 (Canceled)

10. (Currently amended) A medical device comprising a coating, the coating having increased resistance to light and/or UV radiation, the coating comprising:

(a) a stent;

(a) (b) a drug layer including a drug and a polymer supported by a surface of the stent,
wherein the drug is light-sensitive, UV-sensitive, or both light-sensitive and UV-sensitive;

(b) (c) a light- and/or UV-protective compound included in the drug layer, wherein the mass ratio between the drug, the light- and/or UV-protective compound and the polymer is between about 1:1:2 and about 1:3:20, and wherein the light- and/or UV-protective compound comprises carbon black or titanium-nitride-oxide; and

(d) a polymeric primer layer deposited between a surface of the medical device stent and the drug layer[.].;

wherein the drug layer has increased resistance to light and/or UV radiation.

Claims 11, 12 and 13 (Canceled)

14. (Currently amended) A medical device comprising a coating, the coating having increased resistance to light and/or UV radiation, the coating comprising:

(a) a stent;

(a) (b) a drug layer including a drug and a polymer supported by a surface of the stent,
wherein the drug is light-sensitive, UV -sensitive, or both light-sensitive and UV-
sensitive; and

(b) (c) a light- and/or UV-protective compound included in the drug layer, wherein the mass ratio between the drug, the light- and/or UV-protective compound and the polymer is between about 1:1:2 and about 1:3:20, and wherein the light- and/or UV-protective compound comprises carbon black or titanium-nitride-oxide[.].;

wherein the drug layer has increased resistance to light and/or UV radiation.

15. (Currently amended) A method for fabricating a medical ~~article~~ device, comprising forming a coating onto a ~~medical device~~ stent, wherein the coating comprises a first layer including a drug and a polymer and wherein the drug is light-sensitive, UV -sensitive, or both light-sensitive and UV-sensitive, a second layer including a polymer disposed over the first layer, and a light- and/or UV-protective compound included in the second layer, and wherein the light- and/or UV-protective compound comprises carbon black or titanium-nitride-oxide.

Claim 16. (Canceled)

17. (Currently amended) The method of Claim 16, wherein the light-sensitive drug comprises actinomycin D, paclitaxel, or vincristine, or combinations thereof.

Claim 18 (Canceled)

19. (Currently amended) A method for fabricating a medical ~~article~~ device, comprising forming a coating on a ~~medical device~~ stent, wherein the coating comprises a drug layer including a drug and a polymer and wherein the drug is light-sensitive, UV-sensitive, or both light-sensitive and UV-sensitive, a topcoat layer disposed over the drug layer, the topcoat layer being free from any drugs, and a film-forming layer disposed over the topcoat layer, wherein a light- and/or UV-protective compound is included in the film-forming layer, and wherein the light- and/or UV-protective compound comprises carbon black or titanium-nitride-oxide.

Claim 20 (Canceled)

21. (Previously presented) The method of Claim 15, wherein the light- and/or UV-protective compound is additionally included in the first layer.

Claim 22 (Canceled)

23. (Currently amended) The method of Claim 15, wherein the coating additionally comprises a polymeric primer layer deposited between a surface of the ~~medical device~~ stent and the first layer.

Claim 24, 25 and 26 (Canceled)

27. (Currently amended) The method of Claim 15, wherein the second layer is free from, or substantially free from, any drugs.

28. (Currently amended) A method for fabricating a medical ~~article~~ device, comprising applying a coating formulation to ~~the medical article~~ a stent, the coating formulation including:

(a) a polymer;

(b) a drug, wherein the drug is light-sensitive, UV-sensitive, or both light-sensitive and UV-sensitive; and

(c) a light- and/or UV-protective compound, wherein the mass ratio between the drug, the light- and/or UV-protective compound and the polymer is between about 1:1:2 and about 1:3:20, and wherein the light- and/or UV-protective compound comprises carbon black or titanium-nitride-oxide.

Claims 29-33 (Canceled)

34. (Currently amended) A medical device comprising a coating, wherein the coating comprises:

(a) a stent;

(b) a layer supported by a surface of the stent, the layer comprising:

(a) (i) a polymer;

(b) (ii) a drug, wherein the drug is light-sensitive, UV-sensitive, or both light-sensitive and UV-sensitive; and

(c) (iii) a light- and/or UV-protective compound, wherein the mass ratio between the drug, the light- and/or UV-protective compound and the polymer is between about 1:1:2 and about 1:3:20, and wherein the light- and/or UV-protective compound comprises carbon black or titanium-nitride-oxide.

Claims 35 – 38 (Canceled)

39. (Currently amended) A medical device comprising a coating, wherein the coating comprises:

(a) a stent;

(b) a first layer including a drug and a polymer supported by a surface of the stent, wherein the drug is light-sensitive, UV-sensitive, or both light-sensitive and UV-sensitive;

(c) a second layer including a polymer disposed over the first layer, wherein the thickness of the second layer is between about 100 nanometers and about 4 micrometers; and

(d) a light- and/or UV-protective compound included in the second layer, wherein the mass ratio between the light- and/or UV-protective compound and the polymer in the second layer is between about 3:1 and about 1:3, and wherein the light- and/or UV-protective compound comprises carbon black or titanium-nitride-oxide.

40. (Currently amended) A medical device comprising a coating, the coating having increased resistance to light and/or UV-radiation, the coating comprising:

(a) a stent;

(b) a drug layer including a drug and a polymer supported by a surface of the stent, wherein the drug is light-sensitive, UV-sensitive, or both light-sensitive and UV-sensitive;

(c) a topcoat layer disposed over the drug layer, wherein the topcoat layer is free from, or substantially free from, any drugs; and

(d) a film-forming layer disposed over the topcoat layer, wherein a light- and/or UV-protective compound is included in the film-forming layer, and wherein the light- and/or UV-protective compound comprises carbon black or titanium-nitride-oxide[. . .]; and

wherein the coating has increased resistance to light and/or UV-radiation.

41. (Currently amended) A medical device comprising:

(a) a stent;

(b) a coating supported by a surface of the stent, the coating having increased resistance to light and/or UV-radiation, the coating comprising:

(i) a drug layer including a drug and a polymer, wherein the drug is light-sensitive, UV-sensitive, or both light-sensitive and UV-sensitive;

(ii) a topcoat layer disposed over the drug layer, wherein the topcoat layer is free from any drugs; and

(iii) a film-forming layer disposed over the topcoat layer, wherein a light- and/or UV-protective compound is included in the film-forming layer, and wherein the light- and/or UV-protective compound comprises carbon black or titanium-nitride-oxide, wherein the thickness of the film-forming layer is between about 100 nanometers and about 4 micrometers.

42. (Previously presented) The method of Claim 15, wherein the thickness of the second layer is between about 100 nanometers and about 4 micrometers.

43. (Previously presented) The method of Claim 19, wherein the thickness of the film-forming layer is between about 100 nanometers and about 4 micrometers.

44. (Currently amended) A medical device comprising ~~a coating, wherein the coating comprises:~~

(a) a stent;

~~(a) (b) a first layer including a drug and a polymer supported by a surface of the stent,~~

~~wherein the drug is light-sensitive, UV-sensitive, or both light-sensitive and UV-sensitive;~~

~~(b) (c) a second layer including a polymer disposed over the first layer, wherein the second layer is configured to reduce a rate of release of the drug from the first layer after the medical device is inserted into a patient; and~~

~~(e) (d) a light- and/or UV-protective compound included in the second layer, wherein the mass ratio between the light- and/or UV-protective compound and the polymer in the second layer is between about 3:1 and about 1:3, and wherein the light- and/or UV-protective compound comprises carbon black or titanium-nitride-oxide.~~

45. (Previously presented) The method of Claim 15, wherein the second layer is configured to reduce a rate of release of the drug from the first layer after the medical device is inserted into a patient.

46. (Currently amended) A method of coating a ~~medical device~~ stent, comprising applying a first coating composition including a drug and a polymer to the ~~medical device~~ stent and wherein the drug is light-sensitive, UV -sensitive, or both light-sensitive and UV-sensitive, and applying a second coating composition over the first coating composition, the second coating composition including a polymer and a light- and/or UV-protective compound, wherein the mass ratio between the light- and/or UV-protective compound and the polymer in the second composition is between about 3:1 and about 1:3, and wherein the light- and/or UV-protective compound comprises carbon black or titanium-nitride-oxide.

Claim 47 - 49 (Canceled)

50. (Currently amended) A medical device comprising a-coating, the coating comprising:
(a) a stent;
(a) (b) a first layer including a drug and a polymer supported by a surface of the stent, wherein the drug is light-sensitive, UV -sensitive, or both light-sensitive and UV-sensitive;
(b) (c) a second layer including a polymer disposed over the first layer; and
(c) (d) a light- and/or UV-protective compound included in the second layer, wherein the light- and/or UV-protective compound comprises carbon black or titanium-nitride-oxide.

Claim 51 (Canceled)

52. (Currently amended) A medical device comprising a coating, wherein the coating comprises:

(a) a stent;

(b) a coating supported by a surface of the stent, wherein the coating comprises:

(a) (i) a polymer and a drug, wherein the polymer is for the local release of the drug and wherein the drug is light-sensitive, UV-sensitive, or both light-sensitive and UV-sensitive; and

48) (ii) a light- and/or UV-protective compound, wherein the light- and/or UV-
protective compound comprises carbon black or titanium-nitride-oxide.

Claims 53 – 64 (Canceled)